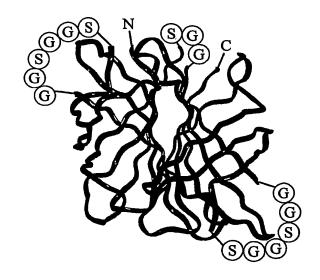
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Fig. 1

A

Signal sequence MVHATSPLLL LLLLSLALVA PGLSARKRTQ PTFGFTVNWK FSESTTVFTG QCFIDRNGKE β7 VLKTMWLLRS SVNDIGDDWK ATRVGINIFT β1 RLRTOKEGGS GGSARKCSLT GKWTNDLGSN β2 β3 MTIGAVNSRG EFTGTYITAV TATSNEIKES PLHGTQNTIN KSGGSTTVFT GQCFIDRNGK β8 β7 EVLKTMWLLR SSVNDIGDDW KATRVGINIF TRLRTOKEGG SGGSARKCSL TGKWTNDLGS β2 NMTIGAVNSR GEFTGTYITA VTATSNEIKE β5 β4 SPLHGTQNTI NKRTQPTFGF TVNWKFSE

В



PCT/FI2004/000679

Fig. 2

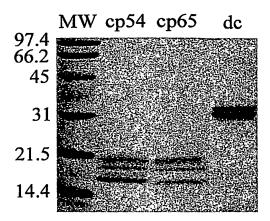


Fig. 3

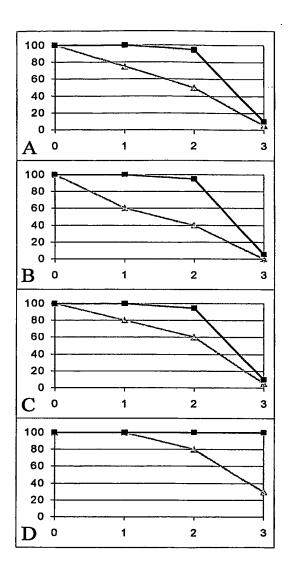


Fig. 4

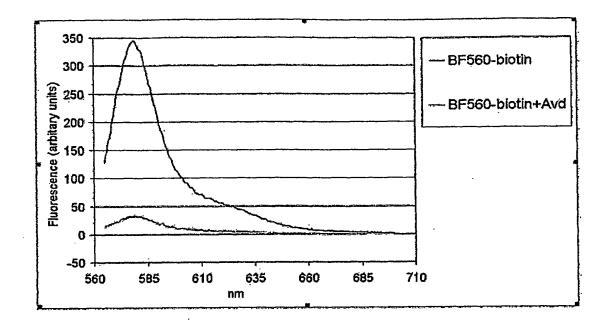
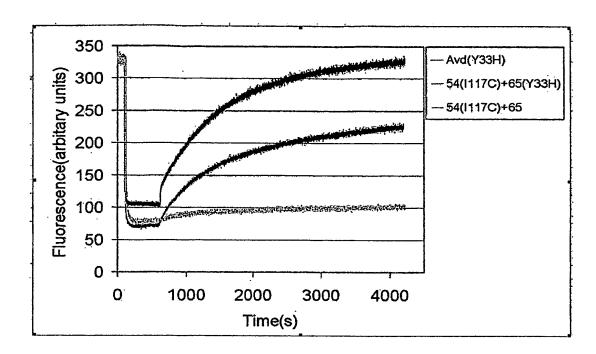


Fig. 5



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Fig. 6

ATGGTGCACGCAACCTCCCCGCTGCTGCTGCTGCT GCTCAGCCTGGCTCTGGTGGCTCCCGGCCTCTCTGCCA GGAAGAGGACCCAGCCCACCTTTGGCTTCACCGTCAAT TGGAAGTTTTCAGAGTCCACCACTGTCTTCACGGGCCA GTGCTTCATAGACAGGAATGGGAAGGAGGTCCTGAAG ACCATGTGGCTGCTGCGGTCAAGTGTTAATGACATTGG TGATGACTGGAAAGCTACCAGGGTCGGCATCAACATC TTCACTCGCCTGCGCACACAGAAGGAGGGAGGCTCCG GAGGCTCCGCCAGAAAGTGCTCGCTGACTGGGAAATG GACCAACGATCTGGGCTCCAACATGACCATCGGGGCT GTGAACAGCAGAGGTGAATTCACAGGCACCTACATCA CAGCCGTAACAGCCACATCAAATGAGATCAAAGAGTC ACCACTGCATGGGACACAAAACACCATCAACAAGTCC GGCGGATCCACCACTGTCTTCACGGGCCAGTGCTTCAT AGACAGGAATGGGAAGGAGGTCCTGAAGACCATGTGG CTGCTGCGGTCAAGTGTTAATGACATTGGTGATGACTG GAAAGCTACCAGGGTCGGCATCAACATCTTCACTCGCC TGCGCACACAGAAGGAGGGAGGCTCCGC CAGAAAGTGCTCGCTGACTGGGAAATGGACCAACGAT CTGGGCTCCAACATGACCATCGGGGCTGTGAACAGCA GAGGTGAATTCACAGGCACCTACATCACAGCCGTAAC AGCCACATCAAATGAGATCAAAGAGTCACCACTGCAT GGGACACAAAACACCATCAACAAGAGGACCCAGCCCA CCTTTGGCTTCACCGTCAATTGGAAGTTTTCAGAGGGA GGTTCCGGATCGGGATCCGGCTCTGGCAGCGCAGGA CCCAGCCCACCTTTGGCTTCACCGTCAATTGGAAGTTT TCAGAGTCCACCACTGTCTTCACGGGCCAGTGCTTCAT AGACAGGAATGGGAAGGAGGTCCTGAAGACCATGTGG CTGCTGCGGTCAAGTGTTAATGACATTGGTGATGACTG GAAAGCTACCAGGGTCGGCATCAACATCTTCACTCGCC TGCGCACACAGAAGGAGGGAGGCTCCGC CAGAAAGTGCTCGCTGACTGGGAAATGGACCAACGAT CTGGGCTCCAACATGACCATCGGGGCTGTGAACAGCA GAGGTGAATTCACAGGCACCTACATCACAGCCGTAAC AGCCACATCAAATGAGATCAAAGAGTCACCACTGCAT GGGACACAAAACACCATCAACAAGTCCGGCGGATCCA CCACTGTCTTCACGGGCCAGTGCTTCATAGACAGGAAT GGGAAGGAGCTCCTGAAGACCATGTGGCTGCTGCGGT CAAGTGTTAATGACATTGGTGATGACTGGAAAGCTAC CAGGGTCGCCATCAACATCTTCACTCGCCTGCGCACAC AGAAGGAGGGAGGCTCCGGAGGCTCCGCCAGAAAGTG CTCGCTGACTGGGAAATGGACCAACGATCTGGGCTCC AACATGACCATCGGGGCTGTGAACAGCAGAGGTGAAT TCACAGGCACCTACATCACAGCCGTAACAGCCACATC AAATGAGATCAAAGAGTCACCACTGCATGGGACACAA AACACCATCAACAAGAGGACCCAGCCCACCTTTGGCT TCACCGTCAATTGGAAGTTTTCAGAGTGA

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#### Fig. 7

ATGGTGCACGCAACCTCCCCGCTGCTGCTGCTGCTGCTCA GCCTGGCTCTGGTGGCTCCCGGCCTCTCTGCCAGGAAGAGGAC CCAGCCCACCTTTGGCTTCACCGTCAATTGGAAGTTTTCAGAG TCCACCACTGTCTTCACGGGCCAGTGCTTCATAGACAGGAATG GGAAGGAGGTCCTGAAGACCATGTGGCTGCTGCGGTCAAGTGT TAATGACATTGGTGATGACTGGAAAGCTACCAGGGTCGGCATC AACATCTTCACTCGCCTGCGCACACAGAAGGAGGGAGGCTCCG GAGGCTCCGCCAGAAAGTGCTCGCTGACTGGGAAATGGACCAA CGATCTGGGCTCCAACATGACCATCGGGGCTGTGAACAGCAGA GGTGAATTCACAGGCACCTACATCACAGCCGTAACAGCCACAT CAAATGAGATCAAAGAGTCACCACTGCATGGGACACAAAACAC CATCAACAAGTCCGGCGGATCCACCACTGTCTTCACGGGCCAG TGCTTCATAGACAGGAATGGGAAGGAGGTCCTGAAGACCATGT GGCTGCTGCGGTCAAGTGTTAATGACATTGGTGATGACTGGAA AGCTACCAGGGTCGGCATCAACATCTTCACTCGCCTGCGCACA CAGAAGGAGGGAGCTCCGGAGGCTCCGCCAGAAAGTGCTCGC TGACTGGGAAATGGACCAACGATCTGGGCTCCAACATGACCAT CGGGGCTGTGAACAGCAGAGGTGAATTCACAGGCACCTACATC ACAGCCGTAACAGCCACATCAAATGAGATCAAAGAGTCACCAC TGCATGGGACACAAAACACCATCAACAAGAGGACCCAGCCCAC CTTTGGCTTCACCGTCAATTGGAAGTTTTCAGAGTGA

Fig. 8

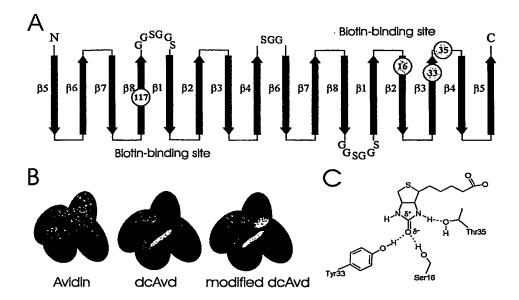


Fig. 9

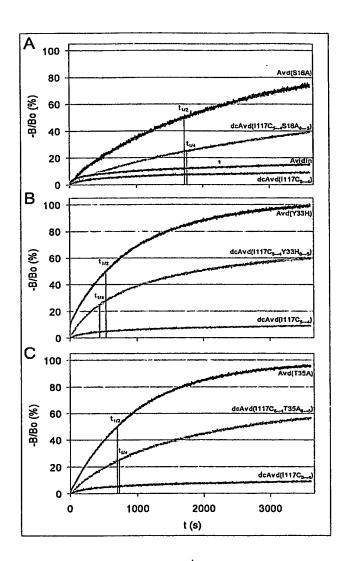


FIG. 10

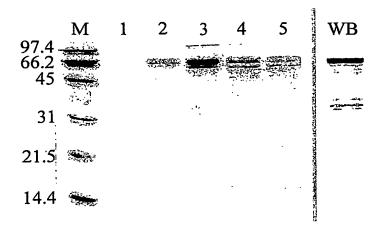


FIG. 11

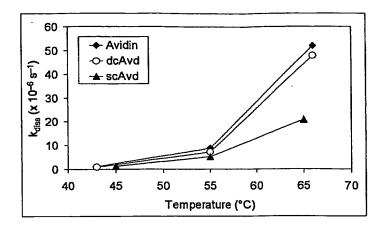
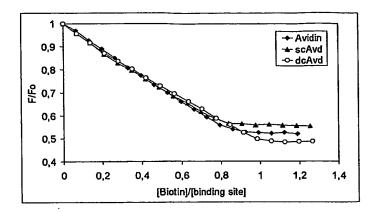


Fig. 12



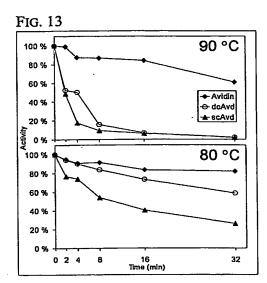
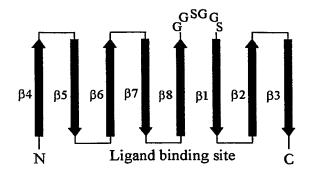


Fig. 14



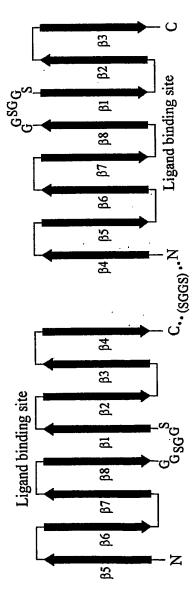
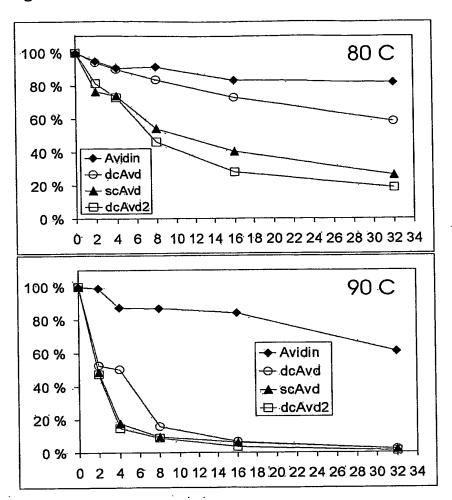


Fig. 16



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## Fig. 17

1 MNKPSKFALP LAFAAVTASG VASAGTQPTF GFTVNWKFSE STTVFTGQCF IDRNGKEVLK
61 TMWLLRSSVN DIGDDWKATR VGINIFTRLR TQKEGGSGGS ARKCSLTGKW TNDLGSNMTI
121 GAVNSRGEFT GTYITAVTAT SNEIKESPLH GTQNTINKSG GSKESPLHGT QNTINKRTQP

181 TFGFTVNWKF SESTTVFTGQ CFIDRNGKEV LKTMWLLRSS

VNDIGDDWKA TRVGINIFTR
241 LRTQKEGGSG GSARKCSLTG KWTNDLGSNM TIGAVNSRGE
FTGTYITAVT

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# Fig. 18

1 ATGAACAAAC CCTCCAAATT CGC	CTCTGCCG CTTGCCTTCG
CCGCCGTTAC GGCCTCTGGT	
61 GTTGCCTCGG CTGGTACCCA GCC	CCACCTTT GGCTTCACCG
TCAATTGGAA GTTTTCAGAG	
121 TCCACCACTG TCTTCACGGG CCA	AGTGCTTC ATAGACAGGA
ATGGGAAGGA GGTCCTGAAG	
181 ACCATGTGGC TGCTGCGGTC AAC	STGTTAAT GACATTGGTG
ATGACTGGAA AGCTACCAGG	
241 GTCGGCATCA ACATCTTCAC TCC	SCCTGCGC ACACAGAAGG
AGGGAGGCTC CGGAGGCTCC	
301 GCCAGAAAGT GCTCGCTGAC TGC	GGAAATGG ACCAACGATC
TGGGCTCCAA CATGACCATC	
361 GGGGCTGTGA ACAGCAGAGG TGA	AATTCACA GGCACCTACA
TCACAGCCGT AACAGCCACA	
421 TCAAATGAGA TCAAAGAGTC ACC	CACTGCAT GGGACACAAA
ACACCATCAA CAAGTCCGGC	
481 GGATCCAAAG AGTCACCACT GCA	ATGGGACA CAAAACACCA
TCAACAAGAG GACCCAGCCC	
541 ACCTTTGGCT TCACCGTCAA TTC	GAAGTTT TCAGAGTCCA
CCACTGTCTT CACGGGCCAG	
601 TGCTTCATAG ACAGGAATGG GAA	AGGAGGTC CTGAAGACCA
TGTGGCTGCT GCGGTCAAGT	
661 GTTAATGACA TTGGTGATGA CTC	GGAAAGCT ACCAGGGTCG
GCATCAACAT CTTCACTCGC	
721 CTGCGCACAC AGAAGGAGGG AGG	GCTCCGGA GGCTCCGCCA
GAAAGTGCTC GCTGACTGGG	
781 AAATGGACCA ACGATCTGGG CTC	CCAACATG ACCATCGGGG
CTGTGAACAG CAGAGGTGAA	
841 TTCACAGGCA CCTACATCAC AGO	CCGTAACA TAA

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